

Steelite AZDG380-2

STEELITE 15-Amp Electric Wood Chipper Shredder Mulcher

Model: AZDG380-2

User Manual

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe assembly, operation, maintenance, and troubleshooting of your STEELITE 15-Amp Electric Wood Chipper Shredder Mulcher. Please read this manual thoroughly before using the product and retain it for future reference. Failure to follow these instructions may result in serious injury or damage to the product.

General Safety Guidelines

- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and heavy-duty gloves, during operation and maintenance. A dust mask is recommended to avoid inhaling wood dust.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Maintain a stable and level operating surface.
- **Electrical Safety:** Connect the chipper to a grounded outlet. Do not operate in wet conditions. Inspect the power cord for damage before each use.
- **Material Handling:** Only feed materials that fit within the specified cutting diameter. Do not force material into the chipper. Avoid feeding metal, rocks, or other non-organic debris.
- **Clothing:** Wear snug-fitting clothing. Avoid loose clothing, jewelry, or long hair that could get caught in moving parts.
- **Maintenance:** Always disconnect the power supply before performing any maintenance, cleaning, or clearing jams.

2. PRODUCT OVERVIEW

The STEELITE 15-Amp Electric Wood Chipper Shredder Mulcher is designed to process branches and twigs into nutrient-

rich mulch. It features a powerful 15-amp motor, dual steel blades, and a 50L collection bin for efficient yard waste management.



Figure 2.1: Labeled Components of the STEELITE Electric Wood Chipper.



Figure 2.2: Assembled STEELITE Electric Wood Chipper.

Key Features

- **Powerful Motor:** 15-amp motor with a maximum speed of up to 4000 RPM for efficient shredding.
- **High Cutting Capacity:** Dual SK5 rustproof steel blades effectively shred branches up to 1.8 inches (4.5 cm) in diameter.
- **Efficient Reduction:** Achieves a 21:1 reduction ratio, converting large volumes of debris into compact mulch.
- **Integrated Collection Bin:** 50L detachable collection bin with an automatic power-off mechanism for safety and easy debris disposal.
- **Safety Features:** Includes a safety interlock system and overload protection design.

- **Portability:** Equipped with dual 7-inch wheels for easy mobility and storage.

3. SETUP AND ASSEMBLY

The chipper requires minimal assembly. Follow these steps to prepare your unit for operation.

Assembly Steps

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all components listed in the manual are present and undamaged.
2. **Attach Wheels:** Secure the dual 7-inch wheels to the chipper's frame using the provided hardware and wrench. Ensure they are firmly attached for stable mobility.



Figure 3.1: Attaching the 7-inch wheels for mobility.

3. **Assemble Collection Bin:** Ensure the 50L collection bin is correctly assembled and securely placed under the chipper's discharge chute. The chipper will not operate if the bin is not properly seated due to the safety interlock mechanism.



Figure 3.2: Securely attaching the collection bin.

4. **Attach Feeding Chutes:** Connect the main feeding chute and the secondary chute (if applicable) to the chipper's hopper. Ensure they are firmly in place.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your wood chipper.

Pre-Operation Checklist

- Ensure all assembly steps are complete and secure.
- Verify the collection bin is correctly installed and locked.
- Inspect the power cord for any damage.
- Clear the work area of any obstacles, debris, or personnel.
- Wear all recommended personal protective equipment (safety glasses, hearing protection, gloves, dust mask).

Starting and Feeding

1. **Connect Power:** Plug the chipper into a suitable grounded electrical outlet.
2. **Start Machine:** Turn the power switch to the 'ON' position. Allow the motor to reach full speed before feeding material.
3. **Feed Material:** Gradually feed branches and twigs into the appropriate feeding chute. The chipper can handle branches up to 1.8 inches in diameter. Use the main chute for larger branches and the secondary chute for smaller twigs and soft debris.



Figure 4.1: Feeding a branch into the 1.8-inch cutting diameter opening.



Figure 4.2: Dual feeding holes for different material types.

4. **Use Feeding Paddle:** For smaller or stubborn material, use the provided feeding paddle to push material into the blades. **Never use your hands or feet.**
5. **Avoid Overloading:** Do not force material into the chipper. Allow the machine to process material at its own pace to prevent jamming and motor strain.
6. **Safety Interlock:** The chipper is equipped with a safety interlock. If the collection bin is removed or not properly secured, the machine will automatically power off or prevent starting.



Figure 4.3: Safety interlock mechanism for secure operation.

7. **Stopping:** To stop the chipper, turn the power switch to the 'OFF' position. Disconnect from the power supply when finished or before any maintenance.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your chipper. Always disconnect the power supply before performing any maintenance.

Cleaning

- After each use, disconnect the power cord.
- Carefully open the chipper housing (if applicable and safe to do so per design) and clear any accumulated wood chips or debris from the blade area and discharge chute. Wood chips can get stuck inside and affect performance.
- Clean the exterior of the machine with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

Blade Inspection and Replacement

- Regularly inspect the dual SK5 steel blades for signs of dullness, nicks, or damage. Dull blades reduce efficiency and can strain the motor.
- If blades are dull or damaged, they should be replaced. For replacement blades and instructions, please contact STEELITE customer support. Sharpening blades is not recommended without specific guidance from the manufacturer.

Storage

- Store the chipper in a dry, secure location, away from moisture and extreme temperatures.
- Ensure the power cord is neatly coiled and stored to prevent damage.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Machine does not start	• Power cord not connected or faulty outlet. • Collection bin not properly seated. • Power switch is OFF. • Overload protection activated.	• Check power connection and try a different outlet. • Ensure collection bin is fully inserted and locked. • Turn power switch ON. • Disconnect power, wait a few minutes, then restart.
Machine jams or plugs up	• Overfeeding material. • Material too large or unsuitable. • Dull blades.	• Disconnect power. Clear obstruction from feeding chute and blade area using the paddle or a stick (never hands). Reduce feeding rate. • Ensure material is within 1.8-inch diameter. • Inspect blades for dullness; replace if necessary.
Reduced shredding performance	• Blades are dull or damaged. • Motor strain due to overfeeding.	• Inspect and replace blades if dull or damaged. • Reduce feeding rate and ensure material is appropriate.
Smoke or unusual noise from motor	• Motor malfunction. • Severe obstruction.	• Immediately disconnect power. Do not operate the machine. Contact customer support for assistance.

7. SPECIFICATIONS

Feature	Specification
Model Number	AZDG380-2
Motor	15-Amp Electric
Max Motor Speed	Up to 4000 RPM
Max Cutting Diameter	1.8 inches (4.5 cm)
Blades	Dual SK5 Rustproof Steel
Reduction Ratio	21:1

Feature	Specification
Collection Bin Capacity	50 Liters (approx. 13.2 Gallons)
Wheels	7-inch
Product Dimensions (L x W x H)	48.26 x 35.56 x 68.58 cm
Product Weight	13.46 kg

8. WARRANTY AND SUPPORT

STEELITE is committed to providing reliable products and customer service.

Warranty Information

This STEELITE Electric Wood Chipper Shredder Mulcher comes with a **2-year warranty** for the machine. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, parts, or warranty inquiries, please contact our support team:

- **Email:** service@steelitetool.com
- Our 24/7 support team is available to assist you.

Clarification: STEELITE Tools and STEELITE International are separate companies. This product is sold under the STEELITE Tools brand and is not associated with STEELITE International.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question